United States Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, MA 02114-2023

October 12, 2004

To: J. Kilborn, EPA
H. Inglis, EPA
R. Howell, EPA
D. Moore, USACE
K.C. Mitkevicius, USACE
S. Steenstrup, MA DEP (2 copies)
S. Peterson, CT DEP
A. Silfer, GE
J. Novotny, GE
J.R. Bieke, Esquire, Shea & Gardner
S. Messur, BBL
D. Young, MA EOEA
K. Munney, US Fish and Wildlife
R. Cataldo, ENSR
R. Nasman, The Berkshire Gas Company
Mayor Ruberto, City of Pittsfield
Commissioner of Public Works and Utilities, City of Pittsfield
Public Information Repositories

RE: September 2004 Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the September 2004 Monthly Report for the 1.5 Mile Reach Removal Action. In accordance with the Consent Decree for the GE-Pittsfield/Housatonic River Site, the United States Environmental Protection Agency (EPA) is performing the 1.5 Mile Reach Removal Action, with General Electric funding a portion of the project through a cost sharing formula.

The EPA has entered into an agreement with the United States Army Corps of Engineers (USACE) to assist in the design and construction of the Removal Action. The USACE subsequently awarded a design-construct contract to Weston Solutions, Inc. (Weston). Weston, with several subcontractors, will be performing the design and construction activities for the 1.5 Mile Reach Removal Action.

If you have any questions, please contact me at (413) 236-0969.
Sincerely,

Dean Tagliaferro

Dean Tagliaferro
1.5 Mile Reach Removal Action Project Manager

1. Overview

During September 2004, the Environmental Protection Agency (EPA), the United States Army Corps of Engineers (USACE), the USACE's contractor, Weston Solutions, Inc., and Weston's subcontractors continued remediation activities on the 1.5 Mile Reach Removal Action. The primary work included completing excavation and riverbed power washing activities in Cells 18W and 19W. Backfilling activities in Cells 18W and 19W were also completed. Relocation and extension of the 54-inch river diversion pipe below the Dawes Avenue Bridge was completed. Excavation activities were initiated in Cell 20W. In addition, transfer of non-TSCA materials from the stockpile management areas to the GE On Plant Consolidation Areas (OPCAs) was performed. Also, transfer of NAPL-impacted materials from the stockpile management areas to approved off-site facility continued.

2. Chronological description of tasks performed

Refer to Figure 1 for an orientation of the excavation cells and their respective locations.

By the end of August 2004, the excavation of reno mattresses, the gabion baskets, the coconut logs and riverbank soil in Cells 18W and 19W was initiated. During the first week of September, excavation activities in Cells 18W and 19W continued. The excavated material was placed into an off-road articulated dump truck (ADT), which transported and dumped the material into a roll-off box located in the river channel in Cell 20. The material was then loaded into dump trucks by a long stick excavator located on the load out area on Parcel I7-21-3. The gabion basket and the riverbank material uncharacterized for off-site disposal was transported to Area 64B and Area 64C stockpile management areas. The TSCA material was transported to Area 64A. (See Table 1 for quantities of material generated in the month of September 2004 and Table 2 for quantities of material generated to date.)

Once the gabion basket and riverbank soil excavation activities were completed in Cell 18W and 19W, the riverbed excavation was initiated in Cell 18W. First, the cobble material was excavated from Cell 18W river bottom. The excavated cobble material was placed into an ADT which transported and dumped the material into a roll-off box located in the river channel in Cell 20. The material was then loaded into dump trucks by a long stick excavator located on the load out area on Parcel I7-21-3 and hauled to Area 64E stockpile management area.

Surveying activities continued in Cells 18W and 19W. The surveyors monitored the excavation activities in Cells 18W and 19W to ensure appropriate design excavation depths were achieved. The final excavation survey was initiated in areas of the riverbank where excavation was completed.

Also, with the Holiday weekend on the way, additional erosion control measures were installed on the lower sections of the excavated riverbanks in Cells 18W and 19W. The riverbanks were

covered with reinforced poly which was anchored down by sand bags at the top of the slope and filter material at the toe of the bank.

Also, during the first week of September the access ramp located on Cell 17E riverbank was removed. The riverbank will be backfilled according to the Cell 17 riverbank backfill configurations. A gate was installed in the security fencing where the access ramp was located. A gate was also installed at the 12-inch pump location off Deming Street.

During the second week of September, the riverbed excavation activities in Cell 18W continued and excavation activities in Cell 19W were initiated. The excavated cobble material was transported to Area 64A and the riverbed sediment was transported to Building 65 stockpile management area. Bedrock was encountered in the entire river bottom of Cells 18W and 19W. In addition to the standard excavation equipment, a small track excavator was used to access and remove the sediment from the areas of the river bottom where crevasses and depressions in the weathered bedrock were numerous. In most areas, there was less than 2-feet of sediment above the bedrock. The high pressure power washing of bedrock to remove any loose sediment was initiated in Cells 18W and 19W. High pressure power washing of bedrock was supplemented with a vacuum truck to remove any residual sediment from the bedrock. All water generated during the power washing was diverted to the water treatment system. All the residual sediment material was collected into roll-off boxes located in the riverbed and subsequently transferred to the water treatment system modutank. NAPL-impacted material was not encountered in Cells 18W and 19W.

To advance the completion of Cells 18W and 19W and with the hurricane season under way it was decided that the riverbed was to be inspected and approved for backfilling as the power washing progressed downstream. Therefore the upstream sections of Cell 18W would be backfilled while the downstream portion of Cell 18W was power washed. As the riverbed power washing progressed downstream of Cell 18W, the excavation verification survey was completed, backfill grade stakes were installed and the riverbed and riverbank backfilling activities were initiated in the upstream end of Cell 18W.

Due to the presence of bedrock within the entire riverbed of Cells 18W and 19W, excavation depths varied. Therefore, various backfill configurations were developed to meet the design requirements. Twelve-inch riprap was placed in low lying areas and depressions in the bedrock to bring the excavated surface up to grade. Areas of the riverbed where the excavation depth was greater than 3 feet were backfilled with a layer of common fill, filter material, and 12-inch riprap. Areas of the riverbed where the excavation depth was less than 2.5 feet were backfilled with a layer of filter material and 12-inch riprap. Areas of the riverbed where bedrock was encountered at very shallow depths were either backfilled with filter material or were left with the bedrock exposed.

The lower riverbank in Cells 18W and 19W was backfilled with a six-inch layer of common fill, a six inch layer of filter material and a twenty four-inch layer of 18-inch riprap up to the 1.5 year flood elevation, which ranges between 969.0 feet to 970.5 feet. The riverbank backfilling activities above those elevations were initiated. The riverbanks will be backfilled with common fill and a six-inch layer of topsoil.

The bedrock power washing and the vacuuming activities in Cell 19W and the backfilling activities in Cells 18W and 19W had to stop on 9/10/03 due to heavy rains from the remnants of hurricane Frances and heavy storm water discharge from the Elm Street storm water outfall that caused flooding in Cells 18W and 19W. Stop logs were removed from the temporary dam to avoid overtopping of the dam and the river downstream of the dam was flooded. The entire riverbed in Cell 18W and a significant portion of the riverbed in Cell 19W were power washed and backfilled prior to the flooding. Also a significant portion of the lower riverbanks in Cells 18W and 19W were backfilled to grade prior to the flooding. The areas of the riverbank that were not completely backfilled were coved with a temporary layer of 18-inch riprap or covered with reinforced poly which was anchored down by sand bags at the top of the slope and filter material at the toe of the bank to prevent riverbank erosion.

Other activities during the second week of September included the installation of steel plates onto the remaining two 300-foot sections of 54-inch HDPE river diversion pipe. The two pipe pieces will eventually be connected to the two 2,750-foot pieces of pipe already in use. In the future the new two 300-foot pipe additions will extend the gravity bypass system beyond the Dawes Avenue Bridge and will allow the Phase 2 remediation work to extend down to the Dawes Avenue Bridge.

During the third week of September, Cells 18W and 19W were flooded from the weekend rain. On Monday, dewatering activities in Cells 18W and 19W were initiated. A temporary sand bag dam was re-built at the downstream end of Cell 19W to aid with the dewatering process. Common fill and poly liner were used to enhance the temporary dam. The river channel was dewatered by pumping the water down to six inches in depth, the water was diverted downstream of the excavation areas. The water below six inches in depth was diverted to the water treatment system.

Once the dewatering was completed, the high pressure bedrock power washing and bedrock vacuuming was re-started in Cell 19W. All water generated during the power washing was diverted to the water treatment system. The residual sediment from the bedrock was removed by the vacuum truck and subsequently transferred to the water treatment system modutank. The more significant amounts of non-TSCA sediment were removed by the small track excavator and transported to Building 65 stockpile management area. The excavation and power washing activities were completed in cell 19W. The final excavation survey of Cell 19W was also completed.

Also during the third week of September, the riverbed and riverbank backfilling activities were resumed in Cells 18W and 19W. The riverbed and lower riverbanks were backfilled according to the backfill configurations described above. Riverbank backfilling activities also continued in Cells 18W and 19W above the 1.5 year flood elevation. The surveyors monitored the backfilling activities in Cells 18W and 19W to ensure appropriate design backfill grades were achieved. Common fill was installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Then, a minimum six-inch layer of topsoil, herbaceous seed mix and erosion control blankets were installed.

The surveyors also delineated the location of the cellular geoweb on the Cell 19E riverbank.

Other activities during the third week of September included the installation of a riprap drainage swale on the riverbank in Cell 11A east. The swale was necessary to prevent riverbank erosion caused by storm water coming from Parcel I8-23-4 parking lot, which is scheduled to be paved by ExxonMobil. ExxonMobil is also scheduled to re-pave the rear portion of the parking lot on Parcels I8-23-2 and I8-23-3. The paving is necessary to restore the damage caused to the parking lots during monitoring well installations. EPA contractors also removed trees and brush in the area of the swale, approximately 50cy of riverbank material was excavated to ensure proper grade for the swale. Since there was no historical PCB data available for the area, the excavated riverbank material was declared to be TSCA and was transported to Area 64A stockpile management area. Upon completion of the drainage swale construction a permanent fence was installed along the property.

Also, work associated with removing tree and brush debris and cleaning up the riverbanks beyond the limit of excavation in Cells 18E and 19E along Caledonia Street was completed. The tree and brush debris was moved to the staging area on the Lyman Street Parking lot. A drainage riprap swale was also installed on the riverbank of Cell 17E to prevent erosion caused by storm water runoff from High Street.

During the fourth week of September, activities associated with the installation of the remaining two 300-foot sections of 54-inch HDPE river diversion pipe onto the two 2,750-foot pieces of pipe already in use was completed. All construction equipment and supplies were removed from the riverbed, stop logs were removed from the temporary dam and the river channel downstream of the temporary dam was flooded with enough water to float the two new 300-foot pipe additions down to the effluent of the 2,750-foot pieces. The two pipe pieces were connected to the two 2,750-foot pieces of pipe already in use. The new two 300-foot pipe additions extended the gravity bypass system beyond the Dawes Avenue Bridge and will allow the Phase 2 remediation work to extend down to the Dawes Avenue Bridge.

A steel plate energy dissipater was relocated to the new location of the 54-inch pipe outfall located approximately one hundred feet downstream of the Dawes Avenue Bridge. Eighteen-inch riprap was also installed at the discharge point as an erosion control measure. Concrete bin blocks were placed at the toe of the riverbanks on the east and west side of the river channel to protect the riverbank from erosion from the 54-inch pipe outfall.

Also, riverbank backfilling activities continued in Cells 18W and 19W above the 1.5 year flood elevation. Common fill was installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Then, a minimum six-inch layer of topsoil, herbaceous seed mix and erosion control blankets were installed. Silt fencing was installed along the top of the riverbanks in Cells 18W and 19W as an erosion control measure. Once the silt fencing was installed all backfill activities in Cells 18W and 19W were concluded and the survey contractor completed the final restoration survey.

Other activities during the fourth week of September included cleaning out the temporary dam trash racks located upstream of the dam. The debris was removed from the trash racks and transported to Building 65 stockpile management area. Also, backfilling activities associated with restoring the Cell 17E riverbank where the access ramp was removed were completed. The riverbank was backfilled according to the Cell 17 riverbank backfill configurations.

During the last week of September, the two 54-inch HDPE pipes were relocated from the east side to the west side of the river channel to allow the excavation of Cells 20E, 21E and 22E. Once the relocation was completed the pipes were then reconnected to the pipe restraint system. Once the 54-inch pipe was relocated, and the stop logs were re-installed into the dam dewatering activates were initiated in Cells 20, 21 and 22. A temporary dam was constructed at the 54-inch pipe outfall to aid the dewatering of Cells 20, 21 and 22. The dam was built by using common fill, sand bags and re-enforced poly.

Excavation activities were initiated on the upper riverbank of Cell 20W on Parcel I7-21-3 to uncover a sluiceway that led to an old mill that was formerly on the property. The influent of the sluiceway was exposed in two locations. The sluiceway consisted of an approximate 8-foot concrete culvert pipe. The concrete sluiceway structure was cut in two locations for inspection. The inspection revealed that the inlet from the river was filled with sand and there was a limited amount of material in the culvert itself. Two samples of the accumulated sand material were collected. The non-TSCA material generated during the uncovering of the sluiceway was transported to Area 64C and Building 65 stockpile management areas.

A temporary access ramp was built over the 54-inch pipes at the location of the load out area on Parcel I7-21-3 to allow access to the east side of the river channel. The ramp was built from crane mats, common fill, filter material and 12-inch riprap. Also the construction of access road and a staging area on the Cell 22W riverbank on Parcel I7-2-44 was initiated.

The survey contractor initiated the delineation of non-TSCA and TSCA excavation areas in Cells 20, 21 and 22.

Activities associated with the fall planting in Cells 16, 17, 18E and 19E were initiated. The locations of shrubs and trees were staked out for future planting.

Other activities during the last week of September included the installation of cellular geoweb on Cell 19E riverbank. A portion of Cell 19E riverbank with slopes steeper than 2H:1V required cellular geoweb for riverbank stability purposes. Topsoil, herbaceous seed mix and erosion control blankets will be placed in Cell 19E geoweb at a later date.

During the month of September, the water treatment system treated water from Cells 18, 19, 20, 21 and 22. Sampling of the water treatment system for parameters included in the NPDES exclusion permit was performed on September 30, 2004. An additional two samples were collected from the water treatment system, one sample between the modutank and the oil/water separator and the other between the sand and carbon filter. Also, due to the presence of NAPL in Cells 18 and 19, the analytical parameters for the water treatment system sampling were expanded to include volatiles and semi-volatiles. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were performed on a daily basis during the month of September. Surface water sampling for total suspended solids (TSS) and PCBs was performed on September 02, 2004 and September 15, 2004. The monthly PCB air-monitoring event was performed on September 14, 2004. PCB wipe samples were collected on decontaminated equipment. Six eight-point composite off-site disposal characterization samples were collected from the gabion basket and riverbank materials excavated from Cells 18W and 19W (stockpiled in Area 64B and Area 64C) on September 10, 2004. One eight-point composite

off-site disposal characterization sample was collected from the riverbed materials excavated from Cells 18W and 19W (stockpiled in Building 65) on September 27, 2004.

During the riverbank excavation activities in Cell 20W a sluiceway was uncovered on Parcel I7-21-3. The sluiceway was leading to an old mill, which use to be located on the property. On September 29, 2004 and September 30, 2004 two samples were collected to characterize the sediment found in the sluiceway. The samples were analyzed for PCBs, TPH, semi-volatiles and metals.

Geotechnical samples were collected for 18-inch riprap and filter material. The results of the geotechnical testing are not included in the monthly report but are contained in other submittals and are available upon request.

The transfer of Cell 18W and 19W non-TSCA gabion basket and riverbank soil materials from the Area 64B and Area 64C stockpile management area to the Hill 78 OPCA was performed from September 28, 2004 to September 30, 2004. (See Table 3 for a summary of material transported to the OPCAs during the month of September 2004 and Table 4 for a summary of material transported to the OPCAs for the project through September 2004.)

Also, Cells 18E and 19E NAPL impacted non-TSCA materials from the Building 68 stockpile management areas were transported to the Waste Management of New Hampshire-TREE, Rochester, NH from September 10, 2004 to September 16, 2004. (See Table 5 for a summary of material transported to the Waste Management of New Hampshire-TREE, Rochester, NH during the month of September 2004.)

Conditions and settlement monitoring activities on selected structures in Phase 3A were initiated.

Stockpile management area activities continued throughout the month of September. Daily inspections, operation, and maintenance activities were performed within Buildings 63, 65, Area 64 (the outside stockpile area) and Building 68. Dust control procedures continued for access roads, parking areas, and material storage areas. Also, work associated with repairing the pavement along High Street was completed. An old layer of pavement on the Lyman Street parking lot staging area was cut and removed for future re-paving of the lot. The cut blacktop pavement material (approximately 20cy) was transported to Building 65.

Traffic control was conducted on Lyman Street, High Street, Deming Street and Elm Street during the month of September.

3. Sampling/test results received

Table 6 contains a summary of the samples collected for the water treatment system sampling program on September 30, 2004, however the PCB and the non-PCB results for the samples are not yet available. The results of the daily particulate air monitoring program are summarized in Table 7. Table 8 is a summary of daily turbidity monitoring results. Results for PCB and TSS samples and water column monitoring data collected on September 02, 2004 and September 15, 2004 are presented in Table 9. Analytical results for the PCB air sampling conducted on

September 14, 2004 are provided in Table 10. Table 11 presents the PCB wipe sample results collected on September 09, 2004 and September 15, 2004. Post-excavation characterization sample results for the gabion basket and riverbank materials excavated from Cells 18W and 19W and the Cells 18W and 19W riverbed sediment (Area 64B, Area 64C and Building 65 stockpile management areas) collected on September 10, 2004 and September 27, 2004 are summarized in Table 12. Table 13 presents PCB data associated with the Parcel I7-21-3 sluiceway sediment samples collected on September 29, 2004 and September 30, 2004. The non-PCB sample results are not yet available.

4. Diagrams associated with the tasks performed

Figure 1 is a map of Phase 1, the Transition Phase, Phase 2 and Phase3A and includes the layout of all excavation cells, temporary dam, water monitoring locations, air sampling locations, access road locations, excavation load out locations, staging area locations, fence line location, the water treatment system pad location, and the utility trench location.

5. Reports received and prepared

Vibration monitoring activities were not performed during the month of September.

6. Photo documentation of activities performed

See attached photos.

7. Brief description of work to be performed in October 2004

- Complete excavation and riverbed power washing activities in Cells 20E, 21E and 22E.
- Complete backfill activities in Cells 20E, 21E and 22E.
- Complete excavation and riverbed power washing activities in Cells 20W, 21W and 22W.
- Initiate backfill activities in Cells 20W, 21W and 22W.

- Complete fall planting activities in Cells 16, 17, 18E and 19E.
- Continue conditions and settlement monitoring activities on selected structures for Phase 3A.
- Complete riverbank pre-characterization in-situ sampling in Phase 3A.
- Continue stockpile management activities at Buildings 63, 65, 68 and Area 64 (outside contaminated material stockpile area).
- Continue transfer the non-TSCA materials from the stockpile management areas to approved off-site facilities.
- Continue to transfer TSCA and non-TSCA cobble material to the OPCAs.
- Continue daily air and turbidity monitoring.
- Continue PCB air sampling (once a month), water column sampling (twice a month), water treatment system sampling (once a month) and backfill material sampling (as needed).

8. Attachments to this report

Table 1. Quantity of Bank and Sediment Material Excavated during the Month of September

Table 2. Quantity of Bank and Sediment Material Excavated to Date

Table 3. Quantity of Material Transferred to OPCAs during the Month of September

Table 4. Quantity of Material Transferred to OPCAs to Date

Table 5. Quantity of non-TSCA Material Transferred to Waste Management of New Hampshire TREE in Rochester, NH during the Month of September

Table 6. NPDES PCB Sampling Results for Water Treatment System

Table 7. Daily Air Monitoring Results

Table 8. Daily Water Column Turbidity Monitoring Results

Table 9. Summary of Turbidity, PCB, and TSS Water Column Monitoring Results

Table 10. PCB Air Sampling Results

Table 11. Equipment Confirmatory Wipe Sample Results

Table 12. Post-Excavation Soil/Sediment Stockpile Characterization Analytical Results

Table 13. Sluiceway Sediment Characterization (Parcel I7-21-3) Analytical Results

Figure 1- 1.5 Mile Removal Action Site Map

Photodocumentation

Table 1 - Quantity of Bank and Sediment Material Generated During the Month of September
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity of Excavated Bank and Sediment Material		
Date	**Location**	**non-TSCA**	**TSCA**	**NAPL impacted**
Bank Soil and Sediment				
9/1/2004	Cell 18W&19W	590	50	0
9/2/2004	Cell 18W&19W	600	0	0
9/3/2004	Cell 19W	200	0	0
9/7/2004	Cell 18W&19W	170	0	0
9/8/2004	Cell 18W	30	0	0
9/14/2004	Cell 19W	30	0	0
9/15/2004	Parcel I8-23-4 riverbank soil	0	40	0
9/16/2004	Parcel I8-23-4 riverbank soil & Cell 19W	30	10	0
9/17/2004	Cell 19W	10	0	0
9/28/2004	Cell 20W	90	0	0
9/29/2004	Cell 20W	50	0	0
9/30/2004	Cell 20W	20	0	0
	Monthly total from bank soil and sediment	**1,820**	**100**	**0**

Note:
All quantities are in compacted or “in-place” cubic yards. All loads are estimated at 10cy per truck.

Table 2 - Quantity of Bank and Sediment Material Excavated to Date
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	**Location**	**non-TSCA**	**TSCA**	**NAPL impacted**	**Total**
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
03/27/03 to 04/07/03	Cell 10&10A	1,730	133	0	1,863
04/14/03 to 04/16/03	Cell 12	668	1,354	0	2,022
04/30/03 to 05/09/03	Cell 11	1,713	341	10	2,064
05/27/03 to 06/12/03	Cell 11A	957	166	462	1,585
06/25/03 to 07/29/03	Cell 12A	1,656	805	656	3,117
09/04/03 to 10/22/03	Cell 13	3,580	298	1,129	5,007
01/08/04 to 03/24/04	Cell 14&15	4,462	288	257	5,007
05/25/04 to 07/28/04	Cell 16&17	4,409	822	3,191	8,422
07/30/04 to 09/17/04	Cell 18&19	3,741	65	685	4,491
09/28/04 to 09/30/04	Cell 20W*	160	0	0	160
	Total	**35,510**	**6,773**	**6,753**	**49,036**

Note:
All quantities determined by pre- and post- excavation surveying.
* Quantity estimated based on truck counts.

Table 3 - Quantity of Material Transferred to OPCAs During the Month of September
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	**# of truckloads**	**Hill 78 (non-TSCA)**	**Bldg. 71 (TSCA)**
Bank Soil and Sediment			
9/28/2004	33	363	0
9/29/2004	42	462	0
9/30/2004	50	550	0
Monthly totals	**125**	**1,375**	**0**

Note:
All quantities are in compacted or “in-place” cubic yards.
(1) Estimated at 11 cy per truck

Table 4 - Quantity of Material Transferred to OPCAs to Date
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	**Location**	**Hill 78 (non-TSCA)**	**Bldg. 71 (TSCA)**
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353 (2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
05/12/03 to 05/14/03	Stockpile Management Area/Excavation Cells	1,826 (3)	0
05/12/03 to 05/14/03	Stockpile Management Area/Cleanup Material	220 (3)	0
06/11/03 to 06/12/03	Stockpile Management Area/Excavation Cells	0	704 (3)
06/16/03 to 06/17/03	Stockpile Management Area/Excavation Cells	712 (3)	0
06/16/03 to 06/17/03	Stockpile Management Area/Cleanup Material	146 (3)	0
07/07/03 to 07/11/03	Stockpile Management Area/Excavation Cells	1,188 (3)	748 (3)
09/15/03 to 09/30/03	Stockpile Management Area/Excavation Cells	2,090 (3)	308 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Excavation Cells	1,623 (3)	33 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Cleanup Material	181 (3)	0
11/18/03	Demolition Debris from Parcels I8-10-2 and I8-10-3	200 (4)	0
1/12/04	Stockpile Management Area/Excavation Cells	77 (3)	0
04/28/04 to 4/30/04	Stockpile Management Area	0	825 (3)
05/12/04 to 05/27/04	Stockpile Management Area/Excavation Cells/Outfall Repair on Parcel I8-23-6	1,518 (3)	484 (3)
06/03/04 to 06/22/04	Stockpile Management Area	0	528 (3)
07/06/04 to 07/16/05	Stockpile Management Area	396 (3)	836 (3)
08/11/04 to 08/31/04	Stockpile Management Area	1,045 (3)	0
09/28/04 to 09/30/04	Stockpile Management Area	1,375 (3)	0
	Project Totals	**27,506**	**9,006**

Pursuant to the Consent Decree, EPA is allowed to dispose of up to 50,00cy of material into GE OPCAs. Pursuant to August 2004 agreement between EPA and GE, EPA is allowed to dispose an additional 750cy of material into the GE OPCAs to account for a portion of the volume of material generated as part of the removal of the gabion baskets and reno mattresses along Deming Street.

Notes:

All quantities are in compacted or “in-place” cubic yards.

(1) Estimated at 14cy per truck, loaded with excavator.

(2) Estimated at 11cy per truck due to loading out frozen material.

(3) Estimated at 11cy per truck, loaded with front end loader.

(4) Estimated at 8cy per truck

Table 5 - Quantity of non-TSCA Material Transported to Waste Management of New Hampshire-TREE, Rochester, N.H.
During the Month of September
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in tons)

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
09/10/04	0580WMNH	Cell 18E&19E NAPL Building 68	30.04
09/10/04	0581WMNH	Cell 18E&19E NAPL Building 68	31.37
09/10/04	0582WMNH	Cell 18E&19E NAPL Building 68	32.30
09/10/04	0583WMNH	Cell 18E&19E NAPL Building 68	29.44
09/10/04	0584WMNH	Cell 18E&19E NAPL Building 68	30.55
09/10/04	0585WMNH	Cell 18E&19E NAPL Building 68	29.31
09/10/04	0586WMNH	Cell 18E&19E NAPL Building 68	29.56
09/10/04	0587WMNH	Cell 18E&19E NAPL Building 68	31.57
09/10/04	0588WMNH	Cell 18E&19E NAPL Building 68	32.78
09/10/04	0589WMNH	Cell 18E&19E NAPL Building 68	29.10
09/10/04	0590WMNH	Cell 18E&19E NAPL Building 68	31.47
09/10/04	0591WMNH	Cell 18E&19E NAPL Building 68	31.66
09/13/04	0592WMNH	Cell 18E&19E NAPL Building 68	29.71
09/13/04	0593WMNH	Cell 18E&19E NAPL Building 68	31.32
09/13/04	0594WMNH	Cell 18E&19E NAPL Building 68	31.90
09/13/04	0595WMNH	Cell 18E&19E NAPL Building 68	32.37
09/13/04	0596WMNH	Cell 18E&19E NAPL Building 68	28.23
09/13/04	0597WMNH	Cell 18E&19E NAPL Building 68	29.30
09/13/04	0598WMNH	Cell 18E&19E NAPL Building 68	29.07
09/13/04	0599WMNH	Cell 18E&19E NAPL Building 68	29.70
09/13/04	0600WMNH	Cell 18E&19E NAPL Building 68	29.60
09/14/04	0601WMNH	Cell 18E&19E NAPL Building 68	30.72
09/14/04	0602WMNH	Cell 18E&19E NAPL Building 68	29.86
09/14/04	0603WMNH	Cell 18E&19E NAPL Building 68	32.12
09/14/04	0604WMNH	Cell 18E&19E NAPL Building 68	31.10
09/14/04	0605WMNH	Cell 18E&19E NAPL Building 68	29.13
09/14/04	0606WMNH	Cell 18E&19E NAPL Building 68	31.37
09/14/04	0607WMNH	Cell 18E&19E NAPL Building 68	31.16
09/14/04	0608WMNH	Cell 18E&19E NAPL Building 68	31.45
09/14/04	0609WMNH	Cell 18E&19E NAPL Building 68	30.96
09/15/04	0610WMNH	Cell 18E&19E NAPL Building 68	31.52
09/15/04	0611WMNH	Cell 18E&19E NAPL Building 68	30.26
09/15/04	0612WMNH	Cell 18E&19E NAPL Building 68	29.32
09/15/04	0613WMNH	Cell 18E&19E NAPL Building 68	32.00
09/15/04	0614WMNH	Cell 18E&19E NAPL Building 68	32.27

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
09/15/04	0615WMNH	Cell 18E&19E NAPL Building 68	34.46
09/15/04	0616WMNH	Cell 18E&19E NAPL Building 68	33.13
09/15/04	0617WMNH	Cell 18E&19E NAPL Building 68	34.06
09/16/04	0618WMNH	Cell 18E&19E NAPL Building 68	32.40
09/16/04	0619WMNH	Cell 18E&19E NAPL Building 68	31.93
09/16/04	0620WMNH	Cell 18E&19E NAPL Building 68	31.54
09/16/04	0621WMNH	Cell 18E&19E NAPL Building 68	33.78
Total of Material Disposed			**1,304.89**

Notes:

(1) Net weights established at the disposal facility

Table 6- NPDES Sampling Results for Water Treatment System
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	Total PCBs Filtered
H2-WW000001-0-4S30	Influent	30-Sep-04	NR	NR	NR	NR	NR	NR
H2-WW000004-0-4S30	Modutank Effluent	30-Sep-04	NR	NR	NR	NR	NR	NR
H2-WW000005-0-4S30	Sand Filter Effluent	30-Sep-04	NR	NR	NR	NR	NR	NR
H2-WW000002-0-4S30	Intermediate	30-Sep-04	NR	NR	NR	NR	NR	NS
H2-WW000003-0-4S30	Effluent	30-Sep-04	NR	NR	NR	NR	NR	NS
Action Level	**Effluent**		**0.50**	**0.50**	**0.50**	**0.50**	**0.50**	N/A

Notes:
ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
Modutank Effluent- Sample collected between the modutank and the oil/water separator.
Sand Filter Effluent - Sample collected between the sand and carbon filter.
Intermediate - Sample collected between carbon units which are being operated in series.
NS - Not Sampled
N/A - Not Available
NR - Not yet reported

Table 7 - Daily Air Monitoring Results
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date Collected	Sample Location	Average Site Concentration (mg/m^3)	Average Period (Hours:Min)
9/1/2004	Upwind	--	--
	Downwind	--	--
	Background	--	--
9/2/2004	Upwind	0.033	6
	Downwind	0.002	6
	Background	0.000	6
9/3/2004	Upwind	0.010	4
	Downwind	0.020	4
	Background	0.014	4
9/6/2004	Upwind	Holiday	Holiday
	Downwind	Holiday	Holiday
	Background	Holiday	Holiday
9/7/2004	Upwind	0.038	16
	Downwind	0.086	16
	Background	--	--
9/8/2004	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
9/9/2004	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
9/10/2004	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
9/13/2004	Upwind	0.040	4
	Downwind	0.012	4
	Background	0.022	4
9/14/2004	Upwind	0.000	6
	Downwind	0.045	5
	Background	0.004	6
9/15/2004	Upwind	0.000	18
	Downwind	0.062	7
	Background	0.012	7
9/16/2004	Upwind	0.003	6
	Downwind	0.039	6
	Background	0.002	6
9/17/2004	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A

Date Collected	Sample Location	Average Site Concentration (mg/m^3)	Average Period (Hours:Min)
9/20/2004	Upwind	**	**
	Downwind	**	**
	Background	**	**
9/21/2004	Upwind	**	**
	Downwind	**	**
	Background	**	**
9/22/2004	Upwind	--	--
	Downwind	--	--
	Background	--	--
9/23/2004	Upwind	--	--
	Downwind	0.052	7
	Background	--	--
9/24/2004	Upwind	no work	no work
	Downwind	no work	no work
	Background	no work	no work
9/27/2004	Upwind	0.005	6
	Downwind	0.064	6
	Background	0.007	6
9/28/2004	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
9/29/2004	Upwind	0.021	3
	Downwind	0.002	3
	Background	0.000	2
9/30/2004	Upwind	NS	NS
	Downwind	NS	NS
	Background	NS	NS
notification level		**0.120**	
action level		**0.150**	

Notes:
N/A - Not available due to precipitation
--- - No reading due to technical difficulties with monitoring equipment
** - No work performed due to elevated water levels
NS - Not sampled

Table 8 - Daily Water Column Turbidity Monitoring Results
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Average	High	Low	
9/1/2004	39	Downstream of Lyman Street Bridge	3.2	6.7	1.8	19.8
		Downstream of Pomeroy Avenue Bridge	2.3	3.0	1.4	19.76
9/2/2004	34	Downstream of Lyman Street Bridge	3.0	5.5	1.7	19.1
		Downstream of Pomeroy Avenue Bridge	7.3	78.1	0.3	18.80
9/3/2004	38	Downstream of Lyman Street Bridge	3.0	5.9	1.5	18.3
		Downstream of Pomeroy Avenue Bridge	2.3	10.0	0.4	18.0
9/4/2004	35	Downstream of Lyman Street Bridge	2.8	9.4	1.2	18.9
		Downstream of Pomeroy Avenue Bridge	7.9	67.5	0.0	18.6
9/5/2004	33	Downstream of Lyman Street Bridge	3.3	8.1	1.7	17.93
		Downstream of Pomeroy Avenue Bridge	8.6	76.3	0.6	18.1
9/6/2004	32	Downstream of Lyman Street Bridge	2.5	5.6	1.5	17.58
		Downstream of Pomeroy Avenue Bridge	213.9	856.2	-1.2	17.1
9/7/2004	32	Downstream of Lyman Street Bridge	2.9	5.5	1.3	18.34
		Downstream of Pomeroy Avenue Bridge	4.9	11.1	2.5	17.9
9/8/2004	34	Downstream of Lyman Street Bridge	5.1	14.9	2.2	18.27
		Downstream of Pomeroy Avenue Bridge	14.4	52.6	1.2	18.3
9/9/2004	154	Downstream of Lyman Street Bridge	8.4	25.2	4.8	18.39
		Downstream of Pomeroy Avenue Bridge	35.5	197.3	5.5	18.7
9/10/2004	212	Downstream of Lyman Street Bridge	7.1	10.9	4.7	18.68
		Downstream of Pomeroy Avenue Bridge	11.6	54.3	4.9	18.8
9/11/2004	116	Downstream of Lyman Street Bridge	4.2	5.9	3.2	17.80
		Downstream of Pomeroy Avenue Bridge	8.3	12.7	4.3	17.8
9/12/2004	74	Downstream of Lyman Street Bridge	4.4	8.0	2.5	17.90
		Downstream of Pomeroy Avenue Bridge	55.3	373.0	-1.8	17.7
9/13/2004	62	Downstream of Lyman Street Bridge	17.4	18.4	16.7	17.49
		Downstream of Pomeroy Avenue Bridge	176.8	1667.2	-2.5	17.7
9/14/2004	56	Downstream of Lyman Street Bridge	17.4	76.9	3.1	17.27
		Downstream of Pomeroy Avenue Bridge	120.7	277.9	51.8	16.49
9/15/2004	56	Downstream of Lyman Street Bridge	5.5	23.1	2.4	17.15
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
9/16/2004	53	Downstream of Lyman Street Bridge	5.4	29.1	2.0	17.89
		Downstream of Pomeroy Avenue Bridge	0.6	1.6	-0.1	18.06
9/17/2004	51	Downstream of Lyman Street Bridge	7.8	27.8	4.0	17.81
		Downstream of Pomeroy Avenue Bridge	1.7	3.0	0.6	17.80
9/18/2004	724	Downstream of Lyman Street Bridge	44.6	76.7	15.5	16.52
		Downstream of Pomeroy Avenue Bridge	47.0	85.7	18.3	16.82
9/19/2004	701	Downstream of Lyman Street Bridge	16.7	24.5	11.0	14.31
		Downstream of Pomeroy Avenue Bridge	17.1	30.8	9.3	14.53
9/20/2004	247	Downstream of Lyman Street Bridge	5.8	8.8	3.8	13.21
		Downstream of Pomeroy Avenue Bridge	9.1	15.2	5.5	13.26

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (^{o}C)
			Average	High	Low	
9/21/2004	154	Downstream of Lyman Street Bridge	3.1	4.3	2.6	14.02
		Downstream of Pomeroy Avenue Bridge	4.3	6.2	2.9	14.07
9/22/2004	103	Downstream of Lyman Street Bridge	4.1	7.0	2.4	15.3
		Downstream of Pomeroy Avenue Bridge	9.3	51.7	3.8	15.73
9/23/2004	83	Downstream of Lyman Street Bridge	1.8	2.7	1.2	16.1
		Downstream of Pomeroy Avenue Bridge	115.2	1012.2	1.5	16.32
9/24/2004	78	Downstream of Lyman Street Bridge	2.1	2.9	1.4	16.3
		Downstream of Pomeroy Avenue Bridge	63.8	758.9	0.6	16.4
9/25/2004	74	Downstream of Lyman Street Bridge	2.2	5.4	1.4	16.20
		Downstream of Pomeroy Avenue Bridge	9.7	85.8	-0.2	16.0
9/26/2004	71	Downstream of Lyman Street Bridge	2.3	3.9	1.5	17.00
		Downstream of Pomeroy Avenue Bridge	2.7	22.0	-0.1	16.7
9/27/2004	66	Downstream of Lyman Street Bridge	3.3	7.7	1.5	15.89
		Downstream of Pomeroy Avenue Bridge	8.5	60.0	0.4	16.2
9/28/2004	140	Downstream of Lyman Street Bridge	87.9	191.0	3.8	15.62
		Downstream of Pomeroy Avenue Bridge	11.7	29.2	2.2	15.8
9/29/2004	403	Downstream of Lyman Street Bridge	11.8	16.5	9.5	15.25
		Downstream of Pomeroy Avenue Bridge	19.4	111.8	4.7	15.39
9/30/2004	261	Downstream of Lyman Street Bridge	8.3	19.0	4.5	14.25
		Downstream of Pomeroy Avenue Bridge	5.8	34.2	2.2	14.40

Notes:

Turbidity Action Level - Average Downstream (Pomeroy Avenue)≥ Average Downstream (Lyman Street) + 50 ntu

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Measurements collected using YSI 6200 Data Acquisition System using 600 OMS sonde with a 6136 Turbidity Probe

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Negative values are attributed to +/- 2ntu accuracy of the turbidity probe.

Exceedence on 9/6 occurred on a holiday. No work was being performed.

Exceedence on 9/12 occurred on a Weekend. No work was being performed.

Exceedence on 9/13 was attributed to the reopening of the pipes after rebuilding the downstream dam. Excluduing the 1200 reading the downstream average is 57.37 NTU, within the acceptable limits.

Exceedence on 9/14 was attributed to Calibration Drift in the probe. The probe was pulled on 9/14, and recalibrated on 9/15, and returned to the river on 9/16.

Exceedence on 9/23 due relocation of energy dissipator and silt curtain.

Exceedence on 9/24 due to one high reading collected after work hours on a day with no river work being conducted.

Table 9 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Location	Date	Estimated Flow (cfs)	Turbidity (ntu)			Water Temp. (^{o}C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
			High	Low	Daily Average							
Upstream of Newell St. Bridge	09/02/04	34	NS	NS	NS	NS	NS	NS	H0-SW000054-0-4S02	NS	NS	NS
Downstream of Lyman St. Bridge	09/02/04	34	5.5	1.7	3.0	19.10	NS	NS	H2-SW000055-0-4S02	ND(0.013)	ND(0.013)	**3.8**
Downstream of Pomeroy Ave. Bridge	09/02/04	34	78.1	0.3	7.3	18.80	65.9	62.9	H2-SW000052-0-4S02	**0.043**	ND(0.013)	**5.4**
Downstream of Pomeroy Ave. Bridge (duplicate)	09/02/04	34	78.1	0.3	7.3	18.80	65.9	62.9	H2-SW000052-1-4S02	**0.037**	NS	NS
Upstream of Newell St. Bridge	09/15/04	56	NS	NS	NS	NS	NS	NS	H0-SW000054-0-4S15	ND(0.013)	ND(0.013)	**3.1**
Downstream of Lyman St. Bridge	09/15/04	56	23.1	2.4	5.5	17.15	NS	NS	H2-SW000055-0-4S15	ND(0.013)	ND(0.013)	**4.8**
Downstream of Pomeroy Ave. Bridge	09/15/04	56	N/A	N/A	N/A	N/A	70.4	72.5	H2-SW000052-0-4S15	ND(0.013)	ND(0.013)	**4.1**

Notes:
PCB Action Level - Downstream (Pomeroy Avenue) $\geq$ Downstream (Lyman Street) + 5 ug/L
ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
cfs - Cubic feet per second
ntu - nephelometric turbidity units
NS - Not Sampled
Temperature measured YSI 600 oms system.
Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.
Water column samples were collected as 4 grab composite samples.
Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.
N/A - The probe was pulled on 9/14, and recalibrated on 9/15, and returned to the river on 9/16.

Table 10 - PCB Air Sampling Results
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/m^3)

Sample ID	Location (1)	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-AR000007-0-4S14	background	14-Sep-04	ND(0.00259)	ND(0.00259)	**0.00389**	ND(0.00259)	**0.00389**
H2-AR000036-0-4S14	AR000036	14-Sep-04	ND(0.00281)	ND(0.00281)	ND(0.00281)	ND(0.00281)	ND(0.00281)
H2-AR000036-1-4S14 (duplicate)	AR000036	14-Sep-04	ND(0.00276)	ND(0.00276)	ND(0.00276)	ND(0.00276)	ND(0.00276)
H2-AR000037-0-4S14	AR000037	14-Sep-04	ND(0.00288)	ND(0.00288)	ND(0.00288)	ND(0.00288)	ND(0.00288)
H2-AR000038-0-4S14	AR000038	14-Sep-04	ND(0.00268)	ND(0.00268)	ND(0.00268)	ND(0.00268)	ND(0.00268)
H2-AR000039-0-4S14	AR000039	14-Sep-04	ND(0.00245)	ND(0.00245)	ND(0.00245)	ND(0.00245)	ND(0.00245)

Notes:
Notification Level: 0.05μg/m^3
Action Level: 0.1μg/m^3
1- See Figure 1 for locations

Table 11 - Equipment Confirmatory Wipe Samples
September 2004 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/100 cm^2)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000170-0-4S09	09-Sep-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000171-0-4S15	15-Sep-04	ND(0.5)	ND(0.5)	1.4	1.4
H2-XI000172-0-4S15	15-Sep-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000173-0-4S15	15-Sep-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

Notes:
PCB Action Level - 10.0 μg/100 cm^2
ND(0.5) - Analyte was not detected. The value in parentheses is the associated detection limit.

Table 12 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
September 2004 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000173-0-4S10	H2-OT000174-0-4S10	H2-OT000175-0-4S10	H2-OT000176-0-4S10	H2-OT000177-0-4S10
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	09/10/2004	09/10/2004	09/10/2004	09/10/2004	09/10/2004
Stockpile Location	Area 64C	Area 64C	Area 64C	Area 64B	Area 64B
Analyte					
PCBS					
PCB, TOTAL	**26.0**	**9.9**	**20.0**	**19.0**	**8.9**
AROCLOR-1254	**5.9 J**	**2.70**	**5.0**	**6.1**	**2.6**
AROCLOR-1260	**20.0**	**7.20**	**15.0**	**13.0**	**6.3**
TCLP HERBICIDES					
	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects
TCLP METALS					
ARSENIC, TCLP LEACHATE (mg/l)	ND	ND	ND	**0.0047**	ND
BARIUM, TCLP LEACHATE (mg/l)	**0.358**	**0.355**	**0.336**	**0.435**	**0.407**
CADMIUM, TCLP LEACHATE (mg/l)	**0.0049**	**0.003**	**0.0045**	**0.0065**	**0.0039**
CHROMIUM, TCLP LEACHATE (mg/l)	**0.0024**	**0.0023**	**0.0023**	**0.0042**	**0.0022**
LEAD, TCLP (mg/l)	**0.0256**	**0.0194**	**0.0244**	**0.0529**	**0.0192**
SELENIUM, TCLP LEACHATE (mg/l)	**0.0057**	**0.0074**	**0.0045**	**0.0106**	**0.0051**
SILVER, TCLP LEACHATE (mg/l)	ND	ND	ND	ND	ND
TCLP PESTICIDES					
	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects
TCLP SEMIVOLATILES					
	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects
TCLP VOLATILES					
	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects
INORGANICS					
CORROSIVITY BY PH	**7.7**	**7.9**	**8.0**	**8.0**	**8.1**
IGNITABILITY **(deg f)**	**>150**	**>150**	**>150**	**>150**	**>150**
PAINT FILTER LIQUIDS **(ml)**	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS **(%)**	**79.0**	**82.0**	**87.2**	**78.5**	**82.6**
SULFIDE	ND	ND	ND	ND	ND
CYANIDE	ND	ND	ND	ND	ND

Notes:
Only detected constituents are summarized
J - Indicates an estimated value
ND - not detected
--- not sampled

Sample ID	H2-OT000178-0-4S10	H2-OT000178-1-4S10	H2-OT000179-0-4S27
Sample type	stockpile material characterization	stockpile material characterization (duplicate)	stockpile material characterization
Date Collected	09/10/2004	09/10/2004	09/27/2004
Stockpile Location	Area 64B	Area 64B	Building 65
Analyte			
PCBS			
PCB, TOTAL	**11.0**	**9.9**	**2.6**
AROCLOR-1254	**3.6 J**	**3.7 J**	**0.87**
AROCLOR-1260	**7.1**	**6.2**	**1.7**
TCLP HERBICIDES			
	all Non-Detects	---	all Non-Detects
TCLP METALS			
ARSENIC, TCLP LEACHATE (mg/l)	ND	---	ND
BARIUM, TCLP LEACHATE (mg/l)	**0.407**	---	**0.204**
CADMIUM, TCLP LEACHATE (mg/l)	**0.0042**	---	ND
CHROMIUM, TCLP LEACHATE (mg/l)	**0.0027**	---	ND
LEAD, TCLP (mg/l)	**0.0382**	---	ND
SELENIUM, TCLP LEACHATE (mg/l)	**0.0078**	---	**0.0077**
SILVER, TCLP LEACHATE (mg/l)	**0.0012**	---	ND
TCLP PESTICIDES			
	all Non-Detects	---	all Non-Detects
TCLP SEMIVOLATILES			
	all Non-Detects	---	all Non-Detects
TCLP VOLATILES			
	all Non-Detects	---	all Non-Detects
INORGANICS			
CORROSIVITY BY PH	**7.7**	---	**8.1**
IGNITABILITY **(deg f)**	**>150**	---	**>150**
PAINT FILTER LIQUIDS **(ml)**	ABSENT	---	ABSENT
PERCENT SOLIDS **(%)**	**67.1**	**63.6**	**90.9**
SULFIDE	ND	---	ND
CYANIDE	**0.72**	---	ND

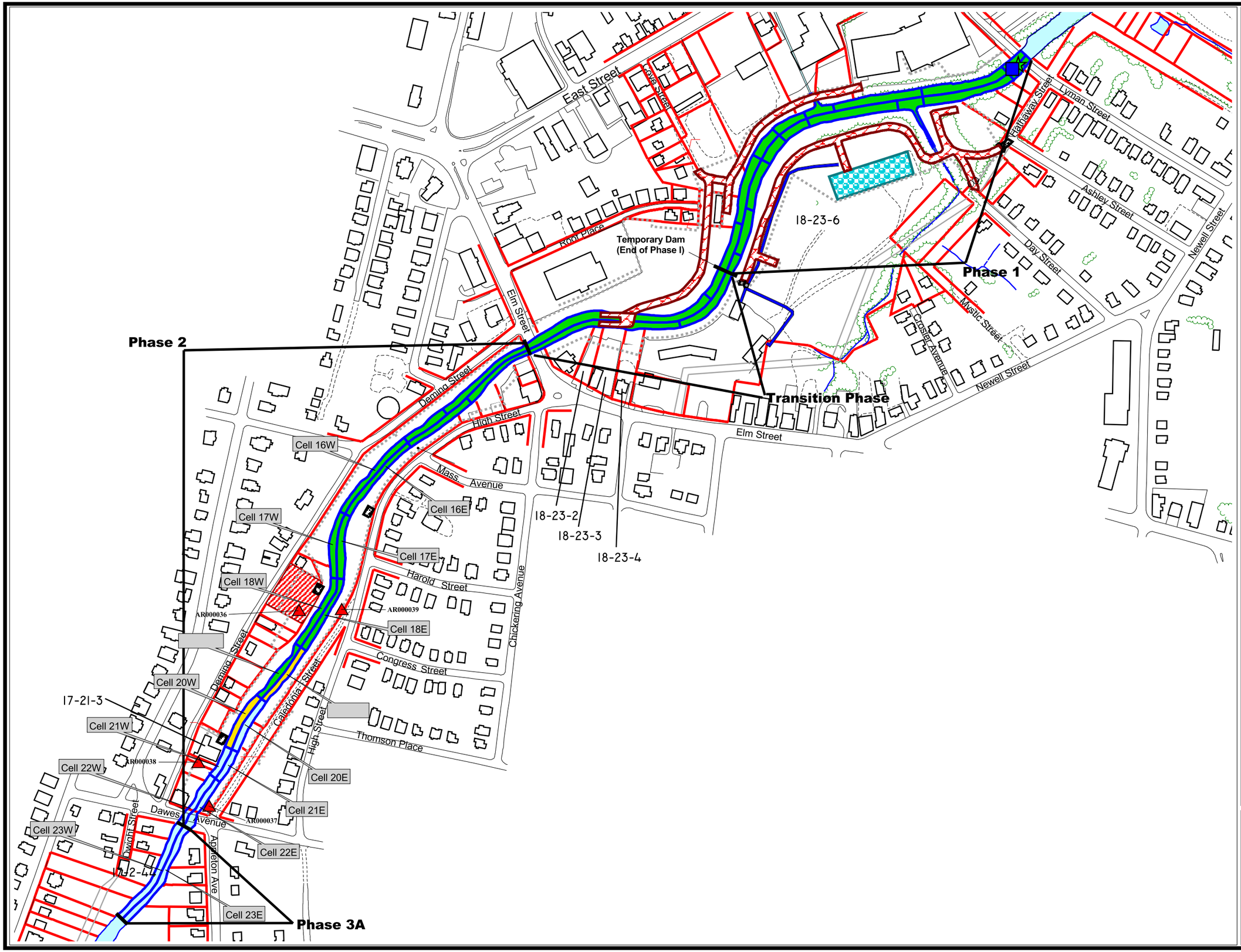
Notes:
Only detected constituents are summarized
J - Indicates an estimated value
ND - not detected
--- not sampled

Table 13 - Sluiceway Sediment Characterization (Parcel I7-21-3) Sample Analytical Results
September 2004 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000180-0-4S29	H2-OT000181-0-4S30
Sample type	Sediment characterization Sluiceway @ Parcel I7-21-3	Sediment characterization Sluiceway @ Parcel I7-21-3
Date Collected	09/29/2004	09/30/2004
Analyte		
PCBS		
AROCLOR-1260	**0.12**	**0.091**
PCB, TOTAL	**0.12**	**0.091**
INORGANICS		
PERCENT SOLIDS (%)	**75.2**	**76.4**

Notes:
Only detected constituents are summarized
ND - not detected



LEGEND

- Roads
- Surface Water
- Water Treatment Plant*
- Access Roads
- Asphalt Access Road
- Property Lines
- Loadout Area
- Deming Street Staging/Loadout Area
- Fence line*
- Work Completed
- Work In Progress
- Work Pending
- Turbidity Monitoring Locations
- Air Sampling Locations
- Water Monitoring Locations
- Buried Electric/Telephone Line*

*Note: As-built features were located using a real time GPS unit

N

Scale in Feet

325 0 325

WESTON SOLUTIONS SM

Figure 1
1.5 Mile Removal Action
Site Map
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Photograph 1 - Gabion Baskets Removed in Cell 18W

Photograph 2– High Pressure Washing/Vacuuming of Bedrock in Cell 18W

Photograph 3– Installation of Filter Stone in Cell 18W

Photograph 4– Installation of 18-inch riprap in Cell 18W&19W

Photograph 5– Installation of Energy Dissipater downstream of Dawes Ave Bridge

Photograph 6– Cell 18 Restored

Photograph 7– Relocation of the 54-inch Pipes to the West Side of the River

Photograph 8– Installation of Cellular Geoweb in Cell 19E